

Date: Tue, 22 Mar 94 04:30:08 PST
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V94 #75
To: Ham-Ant

Ham-Ant Digest Tue, 22 Mar 94 Volume 94 : Issue 75

Today's Topics:

5/8 over 1/4 design info needed
Apt. 70cm/2m fixed antenna
Best cars for mobile HF/VHF?? (2 msgs)
CELLULAR PHONES-How increment reception? (2 msgs)
FAQ (2 msgs)
Information about plywood dish...
Sexual Sin and Christian (2 msgs)
Shortwave reception setup
super antenna, ?
Thick Ethernet as Transmission Line?
Wanted: SGC SG-230

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 20 Mar 1994 12:31:48 -0800
From: ihnp4.ucsd.edu!ucsnews!sol.ctr.columbia.edu!math.ohio-state.edu!
howland.reston.ans.net!gatech!swrinde!sgiblab!barrnet.net!nnntp.crl.com!
crl.crl.com!not-for-mail@network.ucsd.edu
Subject: 5/8 over 1/4 design info needed
To: ham-ant@ucsd.edu

Having read several references to 5/8 over a 1/4 vertical
antenna, I have not been able to find any fully detailed construction
plans in the usual sources. Can anyone provide the details or point the way
to an appropriate source ? I assume that the antenna would consist of a

5/8 element, 1/4 element and some sort of type of coil between the two elements along with the usual 4 ground radials.

Thanks

Date: Mon, 21 Mar 1994 03:38:15 GMT
From: netcomsv!netcom.com!msattler@decwrl.dec.com
Subject: Apt. 70cm/2m fixed antenna
To: ham-ant@ucsd.edu

I'm looking to put up a 70cm/2m (dual-band) antenna on my apt. Zoning isn't a problem, but understanding what my options are is. While I'm not made of money, I'll pay for a good antenna.

Help me understand how the many differing claims for gain, wind survivability, etc. translate into a great omnidirectional antenna.

If warranted, I'll post a summary. Thx all, :-) M
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Michael Sattler, KE6DZF | All that is required | Encrypt now; ask me how.
Digital Jungle Software | for evil to triumph | Finger for PGP key.
msattler@jungle.com | is for {wo}men of good | GCSy+n+f+g+t+d--p--c++u+
+1.415.621.2903 | will to do nothing. | e+m++s++/rhw!l

Date: Mon, 21 Mar 1994 20:17:13 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!
howland.reston.ans.net!cs.utexas.edu!convex!news.utdallas.edu!feenix.metronet.com!
serafin@network.ucsd.edu
Subject: Best cars for mobile HF/VHF??
To: ham-ant@ucsd.edu

Hey what about a HUMMER!!

Date: Mon, 21 Mar 1994 14:59:01 GMT
From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!sdd.hp.com!
hpsc.it.sc.hp.com!hplextra!hplb!hpwin052!hpqmoea!dstock@network.ucsd.edu
Subject: Best cars for mobile HF/VHF??
To: ham-ant@ucsd.edu

Mike Willis (M.Willis@ee.surrey.ac.uk) wrote:

: In article <CMIACE.D9C@hpmqmoa.sqf.hp.com>, dstock@hpmqmoa.sqf.hp.com (David Stockton) writes:

: |>

: |> I'm happy with my choice, a Diesel powered Range-Rover derivative
: |> called a "Discovery"

: |>

: |> Give serious thought to Diesels, no ignition, no computers

: |>

: |> David GM4ZNX

: Yes, but at a mere 18,000 pounds not many can afford such a car. Practically, I
: found the Cavallier reasonable RF quiet. Fiat Uno, too noisy. Diesels are
: definately better, they have a bigger battery too.

: Mike

18,000 ho ho, you've been reading the brochures ! Just decide on a few creature comforts, a radio other than the one that comes standard (unbelievably nasty) and you are talking a lot more dosh still. I managed to resist the temptation of the central heating boiler and freezer, but occasionally wonder about adding a winch. The headlamps are a bit lacking (remember Spike Milligan's landladies' light-bulb jokes?) so a pair of decent lamps is essential, and the lamp bracket needed is #200+ bull-bar shaped... these things are not much diffeerent to range-rover prices when you get to decent levels of equipment...

With a heavy trailer behind and a pair of large horses, it's true class shows.

The local RIS man has been given a Discovery with a pneumatic mast through the roof. He's as happy as the proverbial dog with 2 tails. they've bolted a 240v generator where the airconditioner pump would go.

Note for US readers, see lower photo on Feb QST cover to see one of these vehicles out for a little fun....

Cheers

David

Date: Mon, 21 Mar 1994 13:19:10

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!

europa.eng.gtefsd.com!news.umbc.edu!eff!news.kei.com!ssd.intel.com!chnews!

ornews.intel.com!ccm.hf.intel.com!brett_miller@@.

Subject: CELLULAR PHONES-How increment reception?

To: ham-ant@ucsd.edu

In article <1994Mar18.221707.2008@conicit.ve> mrodrigu@conicit.ve (Manuel Rodriguez T. (Hosp. Militar)) writes:

>I want to increment the reception of my cellular phone. I have a house
>on the beach, and there I can't receive the cell service, but 500 meters
>near to the cell center, The signal is good. I don't have any mountain or
>big buildings between the cell center and the house.
>How can I increment the reception of my phone. Can I build a special
>antenna or probably buy a antenna amplifier to UHF?. How can I connect
>that to the phone?

Many of the factories in Southern China put up Yagi antennas to access the Hong Kong cellular system. This works quite well, as long as the cell you are accessing is not overcrowded (imaging 100's of factories all If you are able to attach an external antenna, then this should work for you.

Brett Miller N7OLQ
Intel Corp.
American Fork, UT

brett_miller@ccm.hf.intel.com

Date: 21 Mar 1994 21:58:05 -0500
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!news.ans.net!
hp81.prod.aol.net!search01.news.aol.com!not-for-mail@network.ucsd.edu
Subject: CELLULAR PHONES-How increment reception?
To: ham-ant@ucsd.edu

In article <brett_miller.46.000D5231@ccm.hf.intel.com>,
brett_miller@ccm.hf.intel.com (Brett Miller - N7OLQ) writes:

>Many of the factories in Southern China put up Yagi antennas to access the
>Hong Kong cellular system...

Well, yeah, that will work fine if the system you're accessing does not reuse frequency sets extensively.

Here in Phoenix, where we reuse channel sets well over a dozen times, if you were to set up a yagi antenna at the outskirts of town, you'd blast into more than one cell easily, meaning (1) the fellow cochannel with you in the "undesired" cell will clobber you, and (2) you will clobber the other fellow as well.

Cellular telephony is predicated on the fact that no one goes around with high gain antennas on the "mobile" units. If the area in question is so sparse that there is virtually no frequency reuse, then fine. But you cause everyone problems in dense systems when you use high-gain antennas to gain access in fringe areas.

Date: Mon, 21 Mar 94 17:38:44 GMT
From: news.cerf.net!pravda.sdsc.edu!nic-nac.CSU.net!charnel.net.csuchico.edu!
charnel!yeshua.marcam.com!hookup!news.kei.com!eff!news.umbc.edu!
europa.eng.gtefsd.com!howland.reston@ihnp4.ucsd.edu
Subject: FAQ
To: ham-ant@ucsd.edu

In article <1994Mar21.140621.14945@exu.ericsson.se> lmctrle@LMC.Ericsson.SE
writes:

> Please tell me how to obtain the FAQ on this newgroup.

ftp rtfm.mit.edu
login as anonymous
password <your e-mail address>

cd /pub/usenet-by-group/rec.radio.amateur.antennas
dir

That should provide you with a lot of material to browse through.

73 es GM from Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA		"You have a flair for adding
Internet: jangus@skyld.grendel.com		a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749		story."
Phone: 1 (310) 324-6080		Peking Noodle Co.

Date: Mon, 21 Mar 1994 14:06:21 GMT
From: agate!howland.reston.ans.net!cs.utexas.edu!convex!cnn.exu.ericsson.se!
bushbaby!lmctrle@ames.arpa
Subject: FAQ
To: ham-ant@ucsd.edu

Hi,

Please tell me how to obtain the FAQ on this newgroup. Kindly reply me
via Email because I do not always have access to this group. Can anyone
recommennd a good informative starting book on antenna theory and
construction ?

/Trien

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>I wonder if he knows where he posted this to?
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He probably saw the article on antenna ERECTION! ;-))

--

```
/'- _      kevin.jessup@mixcom.com
{      }/    Marquette Electronics, Inc
\      /    N9SQB, ARRL, Amateur Radio
|_ _*|    N9SQB @ WD9ANY.#MKE.WI.USA.NA
```

Date: Mon, 21 Mar 1994 21:42:10 GMT
From: news.cerf.net!pravda.sdsc.edu!nic-nac.CSU.net!charnel.net.csuchico.edu!
charnel!yeshua.marcam.com!news.kei.com!eff!news.umbc.edu!europa.eng.gtefsd.com!
howland.reston.ans.@@ihnp4.ucsd.edu
Subject: Sexual Sin and Christian
To: ham-ant@ucsd.edu

In article <brett_miller.34.000E64F8@ccm.hf.intel.com>,
on Fri, 18 Mar 1994 14:23:34,
Brett Miller - N70LQ <brett_miller@ccm.hf.intel.com> writes:

>I wonder if he knows where he posted this to?

Yeah, All over the place. It actually got a good flame war going
on one of the groups (sci.skeptic?). It has been making the
rounds since late last week.

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*****
*Thanks to the Interstate Highway System, it is now possible*
*to travel across the country from coast to coast without  *
*seeing anything.      --Charles Kuralt                      *
*                                                                *
*ALL STANDARD DISCLAIMERS APPLY,      Next time,          *
*PDENNIS@VNET.IBM.COM A.K.A. PHIL DENNIS  take the train!  *
*****
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Date: 21 Mar 94 07:24:12 CST
From: ihnp4.ucsd.edu!news.cerf.net!pravda.sdsc.edu!nic-nac.CSU.net!
charnel.net.csuchico.edu!charnel!olivea!sgigate.sgi.com!sgiblab!swrinde!
menudo.uh.edu!hounix!mwk!watersje@network.ucsd.edu
Subject: Shortwave reception setup
To: ham-ant@ucsd.edu

I'm connecting an 8 ft whip to a shortwave receiver via an MFJ antenna
tuner to receive weather fax transmissions in the 5-3- MHz range. A couple

of questions:

1. The antenna has a 3/8" thread at the base; I found a nylon base to screw it into. I have RG8x from the remote receiver+tuner. How do I connect coax to the whip? do I just take the core to the 3/8" thread and leave the shielding unconnected to the antenna?
2. MFJ recommend placing the antenna tuner at the base of the antenna rather than next to the receiver; does this recommendation apply to transmission (which I do not intend to use the setup for) more than reception? It is not possible for me to abide by this recommendation.
3. Connection the tuner to the radio, is it best to use the rca-style socket supplied on the receiver or take the coax core to the external rod antenna with a crocodile clip?

Equipment:

Sangean 803A

MFJ Random Wire Tuner (m/n16010?)

8 ft Loran antenna (just a 3/8" threaded base)

Replies here if you think this has a general interest, or by e mail.

Thanks,

jw

--

Jeremy Waters

watersje@mwk.com

Date: Sun, 20 Mar 1994 17:53:50 EST

From: ihnp4.ucsd.edu!mvb.saic.com!news.cerf.net!usc!howland.reston.ans.net!
news.cac.psu.edu!psuvm!vqy@network.ucsd.edu

Subject: super antenna, ?

To: ham-ant@ucsd.edu

using friend account for posting.

reply or send an e-mail to rts@dinadan.psu.edu please.

recently i saw an advertisement of 'super antenna'.

it said it works like a large satellite dish when you

just plug it in. it uses the house electric wire system

as a huge antenna system. so you can watch a lot of program

on your tv set. i am totally a layman on this field.

i think people who are using this netnews board are specialist

for antenna. my question is, can it work as the ad says?

or if any one has an experience in using it out there,
could you share it with me?
thanks in advance.

again, please reply to rts@dinadan.psu.edu

Date: Mon, 21 Mar 1994 01:43:24 GMT
From: ihnp4.ucsd.edu!pacbell.com!sgiblab!swrinde!emory!europa.eng.gtefsd.com!
library.ucla.edu!csulb.edu!csus.edu!netcom.com!wb6w@network.ucsd.edu
Subject: Thick Ethernet as Transmission Line?
To: ham-ant@ucsd.edu

uhhh...all of the thick etherNET cable I have seen has been either RG-213
or the Belden equivalent. Fancy colors or numbers sounds like the
marketing department working overtime. 73 de Glenn wb6w

Date: 21 Mar 1994 16:01:57 GMT
From: athos.cc.bellcore.com!elan.cc.bellcore.com!mcg@uunet.uu.net
Subject: Wanted: SGC SG-230
To: ham-ant@ucsd.edu

I'm looking for a used SGC SG-230, manufactured recently, incorporating the
four-wire control cable (supporting remote lock-unlock mod)

Mark, KB2IF

Date: 21 Mar 94 05:59:01 GMT
From: news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!agate!
library.ucla.edu!news.mic.ucla.edu!unixg.ubc.ca!nntp.cs.ubc.ca!alberta!atha!
aupair.cs.athabascau.ca!@ihnp4.ucsd.edu
To: ham-ant@ucsd.edu

References <2m4nj6\$hbd@ornews.intel.com>, <CMq2zq.91M@hpcvsnz.cv.hp.com>,
<wb6wCMzrGD.EGs@netcom.com>.net
Subject : Re: Thick Ethernet as Transmission Line?

wb6w@netcom.com (Glenn Thomas) writes:

>uhhh...all of the thick etherNET cable I have seen has been either RG-213
>or the Belden equivalent. Fancy colors or numbers sounds like the
>marketing department working overtime.

Not always. For instance, orange-jacketed thick ethernet cable is plenum rated (ie, the fire marshall won't make you rip it out if you snake it through the building ventilation system). This is a Big Deal in lots of buildings that weren't built recently. Just because a feature is of no interest to hams doesn't mean it's of no value to anyone.

regards,
Ross ve6pdq

--
Ross Alexander VE6PDQ rwa@cs.athabascau.ca,
(403) 675 6311 rwa@auwow.cs.athabascau.ca

End of Ham-Ant Digest V94 #75

